

WHAT IS CLAIMED IS:

1. An earphone cable-receiving device with power recharge function, comprising:

a cable-receiving structure including an outer case, a cable-winding plate, a communication cable and a spiral spring connected to cable-winding plate, the spiral spring and the cable-winding plate received within the outer case, the communication cable having two ends and winding around the cable-winding plate, a first connector connected to one end of the communication cable, a earphone separately connected to the first connector ; and

a power recharge unit installed onto the outer case and connected to the other end of the communication cable, a second connector further connected to the power recharge via a transmission cable.

2. The earphone cable-receiving device as claimed in claim 1, wherein the out case defines a cable-receiving cavity, a side of the cable-receiving cavity forms with a cable hole, a end of the communication cable projects the cable hole of the side of the cable-receiving, a center portion of inside of the cable-receiving cavity extends an shaft, and a central portion of the cable-winding plate forms a shaft hole thereof, the cable-winding plate received within the cable-receiving cavity, so that the shaft passes through the shaft hole of the cable-winding plate.

3. The earphone cable-receiving device as claimed in claim 2, wherein a cable-winding ring and a spring fastening seat are further respectively mounted on two opposite surfaces of the cable-winding plate, a fastener slot being further defined on the spring fastening seat to fasten an attachment end of the spiral spring positioned in the

outer case via a support member, the communication cable being wound around the cable-winding ring and the shaft.

4. The earphone cable-receiving device as claimed in claim 1, wherein a clamp is further externally attached onto the outer case.

5 5. The earphone cable-receiving device as claimed in claim 1, wherein a battery case is further mounted onto the outer case, the battery case including a liftable cover member mounted thereon and a plurality of conductive elements that are electrically connected to the power recharge unit.

10 6. The earphone cable-receiving device as claimed in claim 1, wherein a blocking notch is further defined on the cable-winding plate and a back-and-forth controller device is arranged proximate to the cable-winding plate, the back-and-forth controller device including an oscillating member and a ratch that enable an immobilization or winding of the cable-winding plate via a reverse pull/release manipulation exerted on the communication cable.

15 7. The earphone cable-receiving device as claimed in claim 1, wherein the communication cable is a 4-wires cable having an internal terminal with two two-interlaced wires to connect the power recharge unit.

20 8. The earphone cable-receiving device as claimed in claim 1, wherein the earphone includes a third connector correspondingly connects to the first connector so that the earphone can be separately connected to the communication cable.

9. The earphone cable-receiving device as claimed in claim 1, wherein the fifth connector includes a fourth connector, the first connector can be further connected to a fourth connector of the fifth connector, so that the communication cable separately connects to the fifth connector.

10. The earphone cable-receiving device as claimed in claim 1, wherein the power recharge unit has a circuit board onto which is mounted an indicator lamp, a light hole being further defined through the outer case corresponding to the indicator lamp.

11. The earphone cable-receiving device as claimed in claim 1, wherein the battery-connecting seat is further electrically connected to the power recharge unit via a plurality of connecting wires, the battery-connecting seat being mounted onto the outer case.

12. The earphone cable-receiving device as claimed in claim 1, wherein the power recharge unit is respectively connected to the communication cable via a first transmission cable and to the second connector via a second transmission cable.

13. The earphone cable-receiving device as claimed in claim 1, wherein the power recharge unit is mounted within the outer case.

14. The earphone cable-receiving device as claimed in claim 1, wherein the power recharge unit is mounted in out of the outer case of the cable receiving structure.

15. The earphone cable-receiving device as claimed in claim 1, wherein a cover is further fixedly mounted onto the outer case to cover over the power recharge unit.

16. An earphone cable-receiving device with power recharge function, comprising:

a cable-receiving structure including an outer case, a communication cable received into out case and having two ends, one end of the communication cable having a eighth connector and the other end having a tenth connector, a ninth connector or earphone separately connected to the eighth connector; and

a power recharge unit being installed within the ninth connector connected to the communication cable.